



Date: April 8, 2014

To: Thomas J. Bonfield, City Manager
Through: W. Bowman Ferguson, Deputy City Manager
From: Donald F. Greeley, Director of Department of Water Management
Marvin G. Williams, Director of Public Works
Subject: Hillandale Dual Water Replacement, Phase II, Reimbursement to NCDOT

Executive Summary

In January 2012, the City of Durham contracted for a 10 month, \$4.33M project, to install 7,900 linear feet of water main, primarily along W. Main Street, between Rutherford Street and W. Peabody Street. The area was also partially overlapped by a much larger NCDOT paving project and the NCDOT Main Street Bridge Replacement over Campus Drive (project B-3638). During construction of the water main project, NCDOT and the Department of Water Management discussed and agreed to allow NCDOT to coordinate and undertake some of the milling and resurfacing within the area of overlap, but the City would still be financially responsible for this work. With NCDOT coordinating this element of work they streamlined the pavement milling and asphalt installation, traffic control and detouring and signal loop installation. The NCDOT also performed a minor pipeline abandonment. The total cost to the City for the milling, paving and pipe abandonment is \$35,349.00.

In a separate agenda Item, the Public Works Department is also recommending that the City Council authorize the City Manager to execute a Utility Relocation Agreement with NCDOT for the Bridge Replacement over Campus Drive (project B-3638) to assign a cost share of \$273,200.61 to the City and \$273,200.61 to NCDOT for work associated with the relocation of the City's utility lines. The Municipal Agreement outlining this shared arrangement, Agenda Item 8288, was approved by Council on March 5, 2012 and is fully executed.

Recommendation

The Department of Water Management and the Public Works Department recommend that the City Council authorize the City Manager to execute a Supplemental Agreement with NCDOT for additional paving and water line work completed under the Bridge Replacement over Campus Drive (project B-3638) and authorize the reimbursement to NCDOT of \$35,349.00 from the Water Extensions and Improvements account.

Background

In January 2012, the City of Durham contracted for a 10 month, \$4.33M project, to install 7,900 linear feet of water main, primarily along W. Main Street, between Rutherford Street and W. Peabody Street. The area was also partially overlapped by a much larger NCDOT paving project and the NCDOT Main Street Bridge Replacement over Campus Drive (project B-3638). For many months prior to, and all during construction of the water main project, much coordination occurred among several City Departments and work units at NCDOT. Originally, it was envisioned the three projects were to be sequenced as follows: (1) City

water main, (2) Bridge replacement, (3) Milling/resurfacing. Duke University, a major stakeholder being impacted by all three projects, expressed concerns over the timing of the bridge replacement, and worked with NCDOT to have it delayed until late spring 2013. NCDOT was very reluctant, though, to delay the milling/paving project, and actually moved it up to occur immediately following the water main project.

As NCDOT and the City discussed timing and impacts it became evident that if the City were to undertake the milling and paving work associated with the water main project the potential overlap would be very confusing and possibly duplicative. The traveling public would have to endure detours/lane shifts by the City contractor and almost immediately be impacted by the NCDOT bridge contractor, essentially in the same locations. NCDOT was eager to take over all aspects of the work in the area of overlap for much better coordination and shorter timeframe of impact to the traveling public. The City, though, would continue to be financially responsible for their original scope, making appropriate reimbursement to NCDOT after the milling/paving was completed. During the bridge replacement project, NCDOT also performed some pipeline abandonment, which remained after the City water main project was completed.

At the March 5, 2012 City Council Meeting, Council approved the 50/50 cost-sharing arrangement between the City and NCDOT, since neither entity was willing to accept the position that the other was the first to occupy the area along W. Main Street. Normally, the entity which occupies the space first does not participate in utility relocation costs. Reimbursement to NCDOT for this cost-sharing is recommended separately under Agenda Item 9647.

Issues and Analysis

Numerous City departments, including Water Management, Public Works and Transportation, as well as several work units at NCDOT, and a major stake holder, Duke University, collaborated on this arrangement as a much better and streamlined approach. By allowing NCDOT to take over the coordination, timing and sequencing of the milling and paving, the work occurred earlier and faster and greatly reduced the impacts to the traveling public, Duke University and the numerous businesses along W. Main St. and other local streets.

Alternatives

The work on all three projects is complete. An alternate to this would be for the City to not reimburse the NCDOT.

Financial Impact

The cost to reimburse NCDOT for additional paving and water line work is \$35,349.00. There are currently funds available for this supplemental agreement in the Water Extensions and Improvements account.

Water Extension Improvement Fund: 4100P007-764000-P0A00 \$35,349.00

SDBE Summary

Review by EOEA Department of this item is not applicable.

Attachments

- 1) Supplemental Agreement, ID# 3877
- 2) Quantity/Cost spreadsheet reflecting work performed by NCDOT for the City